

Converting Colors

$Y_{xy}(77.7250, 0.2389, 0.3649)$

Have a look what the booklet for
Yxy(77.7250, 0.2389, 0.3649)
contains.

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Color

Yxy(77.7148, 0.2389, 0.3651)

Conversions

Conversions Part 1

Format	Color
Hex	33FFE2
RGB	51, 255, 226
RGB Percent	20%, 100%, 89%
CMY	0.8003, 0.0000, 0.1136
CMYK	0.80, 0.00, 0.11, 0.00
HSL	171°, 100%, 60%
HSV	171°, 80%, 100%
XYZ	50.8520, 77.7148, 84.2921
YIQ	190.6980, -112.2750, -52.2670

Conversions

Conversions Part 2

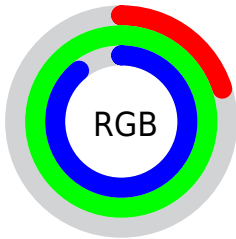
Format	Color
R_{YB}	51, 161, 255
Decimal	3407842
CIE _{Lab}	90.65, -53.79, 0.24
CIE _{LCh}	91, 53.790, 179.748
Y _{xy}	77.7148, 0.2389, 0.3651
Android (android.graphics.Color)	4281597922 (0xFF33FFE2)
YUV	190.6980, 17.4039, -122.5151
Hunter-Lab	88.1560, -51.3069, 5.0179

Details

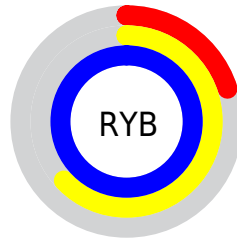
The Yxy color **77.7148, 0.2389, 0.3651** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **24.1974, 0.5625, 0.3103**, and the grayscale version is **51.8480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **42.8728, 0.2364, 0.3710** is the 20% darker color. If you saturate the color by 10%, you get **77.0279, 0.2374, 0.3702**, and if you desaturate by 10%, it is **78.7670, 0.2423, 0.3600**.

Distribution



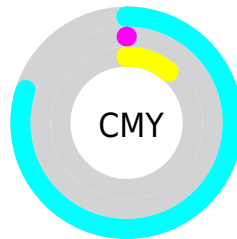
- Red (20%)
- Green (100%)
- Blue (89%)



- Red (20%)
- Yellow (63%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)



- Cyan (80%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7148, 0.2389, 0.3651 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 77.7148, 0.2389, 0.3651 by changing the saturation by 10% instead.


 77.7148, 0.2389,
0.3651


 77.7148, 0.2389,
0.3651

487.1977, 0.2723,
0.3488

 57.8397, 0.2315,
0.3687


 130.1480, 0.2503,
0.3595


 41.6798, 0.2224,
0.3732


 163.4749, 0.2548,
0.3573

 28.8507, 0.2112,
0.3787


 202.0546, 0.2587,
0.3554

 18.9679, 0.1968,
0.3857

 246.2714, 0.2621,
0.3537

 11.6471, 0.1780,
0.3950

296.5097, 0.2651,
0.3523

 6.5038, 0.1523,
0.4077

353.1539, 0.2678,

 3.1538, 0.1161,

0.3510

0.4257

416.5885, 0.2702,
0.3498

■ 1.2125, 0.0000,
0.4826

■ 0.0719, 0.0000,
0.5379

■ 77.7148, 0.2389,
0.3651

■ 77.7148, 0.2389,
0.3651

■ 77.0279, 0.2374,
0.3702


■ 78.7670, 0.2423,
0.3600

■ 76.6241, 0.2375,
0.3751


■ 80.2383, 0.2476,
0.3550

■ 82.1717, 0.2549,
0.3500

■ 84.6053, 0.2640,
0.3453

 87.5733, 0.2746,
0.3407

 91.1066, 0.2864,
0.3365

 95.2341, 0.2992,
0.3326

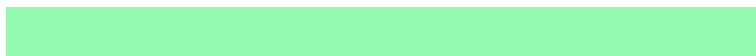
99.9825, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7148, 0.2919, 0.4228



77.7148, 0.2389, 0.3651



77.7148, 0.2073, 0.3008

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.7148, 0.2389, 0.3651



77.7148, 0.2635, 0.2340



77.7148, 0.4369, 0.3871

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



77.7148, 0.2389, 0.3651



24.1974, 0.5625, 0.3103

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.7148, 0.4306, 0.3389



77.7148, 0.2389, 0.3651



77.7148, 0.3242, 0.2555

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.7148, 0.2389, 0.3651



77.7148, 0.2207, 0.2326



77.7148, 0.3876, 0.2926



77.7148, 0.4072, 0.4278

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.7148, 0.2389, 0.3651



77.7148, 0.2005, 0.2671



77.7148, 0.3876, 0.2926



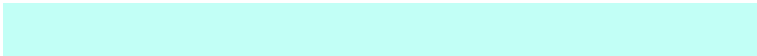
77.7148, 0.4392, 0.3713

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



77.7142, 0.2389, 0.3651



89.6359, 0.2816, 0.3381



73.5309, 0.3096, 0.5720



18.9197, 0.2774, 0.3397



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7142, 0.2389, 0.3651



76.7665, 0.2374, 0.3731



42.0238, 0.2034, 0.2344



20.4345, 0.2999, 0.3324



40.0548, 0.2373, 0.3743



3.9116, 0.2357, 0.3686

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



24.1974, 0.5625, 0.3103



21.6705, 0.6155, 0.3189



35.5017, 0.5323, 0.3870



18.0291, 0.3272, 0.3257



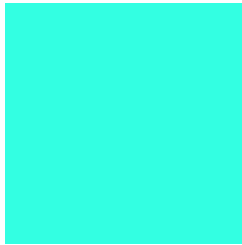
11.1886, 0.6214, 0.3197



1.1015, 0.5952, 0.3052

Previews

White Background



This preview shows how the Yxy color 77.7148, 0.2389, 0.3651 looks on a white background.

Color Contrast Check

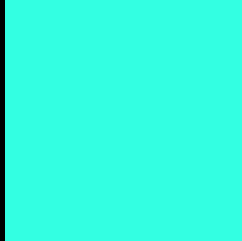
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 77.7148, 0.2389, 0.3651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.7148, 0.2389, 0.3651

Background



This preview shows how black text looks on a background with the Yxy color 77.7148, 0.2389, 0.3651.

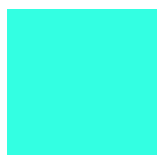


This preview shows how white text looks on a background with the Yxy color 77.7148, 0.2389, 0.3651.

Color Blindness Simulation

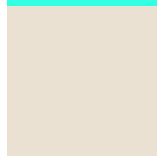
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



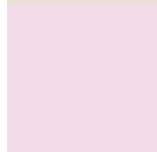
Original Color

77.7148, 0.2389, 0.3651



Protanopia

75.9960, 0.3290, 0.3450



Deuteranopia

75.8366, 0.3206, 0.3137



Tritanopia

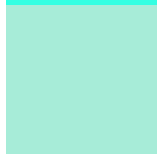
76.8060, 0.2545, 0.3130

Trichromacy



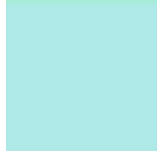
Original Color

77.7148, 0.2389, 0.3651



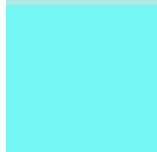
Protanomaly

73.1643, 0.2811, 0.3526



Deuteranomaly

72.4814, 0.2766, 0.3300



Tritanomaly

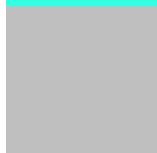
76.0880, 0.2453, 0.3312

Monochromacy



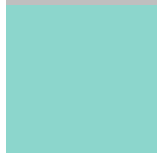
Original Color

77.7148, 0.2389, 0.3651



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

58.0282, 0.2697, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7148, 0.2389, 0.3651 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(51, 255, 226)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 226)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(51, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 226) }
```

Border

The CSS property to change the border of an element to Yxy 77.7148, 0.2389, 0.3651 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(51, 255, 226) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(51, 255, 226) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(51, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7148, 0.2389, 0.3651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 226) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(51, 255,  
226) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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